

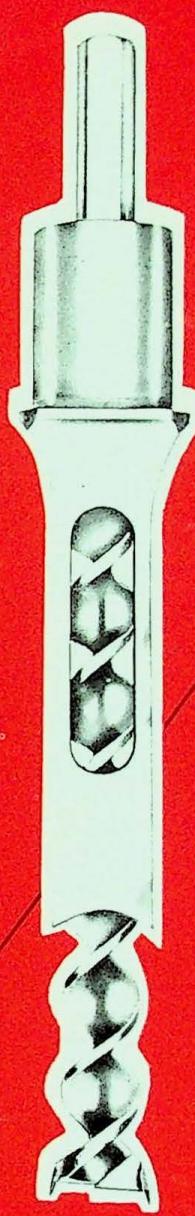


**FOREST
CITY
TOOL**

HICKORY
NORTH
CAROLINA

SPECIALISTS IN **TOOLS**
woodworking

MORTISING TOOLS



INSTRUCTIONS FOR SETTING CHISELS AND BITS

The Hollow Chisel and Bit is generally considered a very delicate tool. This is not true. This tool is practically indestructable if used properly. First, make sure your equipment is in first class condition. Check spindle play. Belt slippage if belt driven. Make sure table is level and rigid. Make sure you have adequate power for the size tool you are using. Most spindle speeds are 3600 RPM. Check with your machine manufacturer for the correct feed for various woods. It is very important to keep this tool cutting new wood at all times. Too slow a feed when you have adequate speed and horsepower causes the tool to burn.

Setting a chisel and bit for proper clearance is most

important. The head of the bit must not come in contact with the seat of the chisel. This can be accomplished by inserting the chisel and bit into their respective chucks then using a 1/32 feeler gauge or spacer of this size between the shoulder of the chisel and the bottom of the chisel chuck. Then tighten the bit securely. Remove the 1/32 gauge and push the chisel up against the bottom of the chisel chuck and tighten the chisel.

The threaded shank Hollow Chisel is easier yet to set. Simply turn the chisel 1/4 turn to the left after the correct mortise depth has been determined. Then tighten the bit and turn the chisel 1/4 turn to the right. You then have the correct setting.

Always be sure your tools are sharp.



**NO. 28 REGULAR HOLLOW
MORTISING CHISEL**

4 In. Blade

NET PRICE EACH TOOL

Chisel Size	Shank Dia.	Depth of Mortise	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{1}{4}$	$\frac{5}{8}$	1- $\frac{7}{8}$	12	\$ 5.90	\$ 5.75	\$ 5.65
$\frac{5}{16}$	$\frac{5}{8}$	1- $\frac{7}{8}$	12	5.90	5.75	5.65
$\frac{3}{8}$	$\frac{5}{8}$	3- $\frac{1}{4}$	12	5.35	5.25	5.15
$\frac{7}{16}$	$\frac{5}{8}$	3- $\frac{1}{4}$	12	5.80	5.60	5.45
$\frac{1}{2}$	$\frac{5}{8}$	3- $\frac{1}{4}$	12	6.30	6.05	5.95
$\frac{9}{16}$	$\frac{3}{4}$	3- $\frac{1}{4}$	12	8.35	8.00	7.85
$\frac{5}{8}$	$\frac{3}{4}$	3- $\frac{1}{4}$	12	8.80	8.45	8.25
$1\frac{1}{16}$	$\frac{3}{4}$	3- $\frac{1}{4}$	12	9.65	9.30	9.05
$\frac{3}{4}$	$1\frac{1}{8}$	3- $\frac{1}{4}$	12	9.65	9.30	9.05
$1\frac{3}{16}$	$1\frac{1}{8}$	3- $\frac{1}{4}$	6	11.00	10.65	10.40
$\frac{7}{8}$	$1\frac{1}{8}$	3- $\frac{1}{4}$	6	11.40	11.00	10.80
1	$1\frac{1}{8}$	3- $\frac{1}{4}$	6	13.05	12.65	12.45

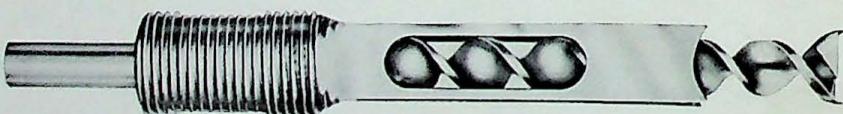
NO. 1-28 HOLLOW CHISEL BITS

For 4 In. Blade Hollow Chisels

NET PRICE EACH TOOL

Bit Size	Shank Dia.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{1}{4}$	$\frac{5}{16}$	18	\$2.10	\$2.00	\$1.95
$\frac{5}{16}$	$\frac{1}{4}$	18	2.10	2.00	1.95
$\frac{3}{8}$	$1\frac{1}{64}$	18	2.10	2.00	1.95
$\frac{7}{16}$	$1\frac{1}{64}$	18	2.20	2.10	2.00
$\frac{1}{2}$	$1\frac{1}{64}$	18	2.40	2.20	2.10
$\frac{9}{16}$	$1\frac{1}{64}$	18	2.70	2.50	2.35
$\frac{5}{8}$	$\frac{1}{2}$	12	3.00	2.75	2.60
$1\frac{1}{16}$	$\frac{1}{2}$	12	3.50	3.20	3.05
$*\frac{3}{4}$	$\frac{1}{2}$	12	3.60	3.35	3.20
$1\frac{3}{16}$	$\frac{1}{2}$	6	4.15	3.90	3.75
$\frac{7}{8}$	$\frac{1}{2}$	6	4.60	4.30	4.10
1	$\frac{1}{2}$	6	5.30	5.00	4.75

*Hard Wood Chisel Bits—Plus 25c ea.



NO. 30 HOLLOW MORTISING CHISEL

Threaded Shank for Wysong & Miles Mortisers

4 In. Blade

NET PRICE EACH TOOL

Chisel Size	Mortise Depth	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{1}{4}$	$2\frac{7}{8}$	12	\$ 6.40	\$ 6.00	\$ 5.80
$\frac{5}{16}$	$2\frac{7}{8}$	12	6.40	6.00	5.80
$\frac{3}{8}$	$3\frac{1}{4}$	12	6.10	5.70	5.50
$\frac{1}{2}$	$3\frac{1}{4}$	12	7.10	6.70	6.50
$\frac{5}{8}$	$3\frac{1}{4}$	12	9.00	8.60	8.40
$\frac{3}{4}$	$3\frac{1}{4}$	12	10.00	9.60	9.40
$1\frac{3}{16}$	$3\frac{1}{4}$	6	11.50	11.00	10.60
$\frac{7}{8}$	$3\frac{1}{4}$	6	12.50	12.00	11.60
1	$3\frac{1}{4}$	6	13.50	13.00	12.60

NO. 1-30 HOLLOW MORTISING CHISEL BITS

For Threaded Shank Hollow Chisels Only

NET PRICE EACH TOOL

Bit Size	Shank Dia.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{1}{4}$	$\frac{5}{16}$	18	\$2.10	\$2.00	\$1.95
$\frac{5}{16}$	$\frac{1}{4}$	18	2.10	2.00	1.95
$\frac{3}{8}$	$1\frac{1}{64}$	18	2.10	2.00	1.95
$\frac{1}{2}$	$1\frac{1}{64}$	18	2.40	2.20	2.10
$\frac{9}{16}$	$1\frac{1}{64}$	18	3.60	3.35	3.20
$\frac{5}{8}$	$\frac{1}{2}$	12	4.15	3.90	3.75
$\frac{7}{8}$	$\frac{1}{2}$	6	4.60	4.30	4.10
1	$\frac{1}{2}$	6	5.30	5.00	4.75


NO. 21 HOLLOW MORTISING CHISEL
5 In. Blade**NET PRICE EACH TOOL**

Chisel Size	Shank Dia.	Mortise Depth	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units	Bit Size	Shank Dia.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
5/8	5/8	4-1/4	6	\$ 7.35	\$ 7.20	\$ 7.10	5/8	19/64	8	\$2.65	\$2.45	\$2.25
1/2	5/8	4-1/4	6	8.35	8.20	8.10	1/2	19/64	8	2.75	2.55	2.35
5/8	3/4	4-1/4	4	11.35	10.95	10.55	5/8	1/2	6	3.30	3.00	2.80
3/4	1-1/8	4-1/4	4	12.00	11.50	11.25	3/4	1/2	6	3.80	3.45	3.25

NO. 1-21 HOLLOW CHISEL BITS
 7 In. Twist for 5 In. Blade Hollow Chisels
NET PRICE EACH TOOL
NO. 27 HOLLOW MORTISING CHISEL
2-3/4 In. Blade**NET PRICE EACH TOOL**

Chisel Size	Shank Dia.	Mortise Depth	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units	Bit Size	Shank Dia.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/4	5/8	2"	8	\$4.25	\$4.15	\$4.10	1/4	3/16	12	\$2.10	\$2.00	\$1.90
5/16	5/8	2"	8	4.25	4.15	4.10	5/16	1/4	12	2.10	2.00	1.90
3/8	5/8	2"	8	4.25	4.15	4.10	3/8	19/64	12	2.10	2.00	1.90

NO. 1-27 HOLLOW CHISEL BITS
 4-3/4 In. Twist for No. 27 Hollow Chisels
NET PRICE EACH TOOL
NO. 25 SASH BAR HOLLOW MORTISING CHISELS
4 In. Blade**NET PRICE EACH TOOL**

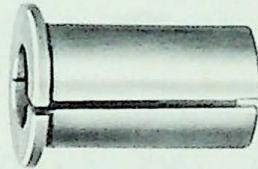
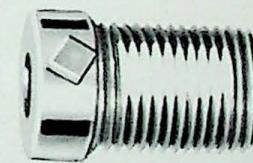
Chisel Size	Shank Dia.	Mortise Depth	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units	Bit Size	Shank Dia.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
5/8 x 5/16	5/8	3-1/4	3	\$ 9.80	\$ 9.50	\$ 9.20	1/2	19/64	18	\$2.40	\$2.20	\$2.10
5/8 x 5/8	5/8	3-1/4	3	9.80	9.50	9.20	1/2	19/64	18	2.40	2.20	2.10
5/8 x 3/4	3/4	3-1/4	3	11.10	10.75	10.40	5/8	1/2	12	3.00	2.75	2.60
5/8 x 13/16	3/4	3-1/4	3	11.10	10.75	10.40	5/8	1/2	12	3.00	2.75	2.60

NO. 1-25 HOLLOW CHISEL BITS
 For No. 25 Hollow Chisels
NET PRICE EACH TOOL


**NO. 26 OBLONG HOLLOW
MORTISING CHISELS**
4 In. Blade
NET PRICE EACH TOOL

Chisel Size	Shank Dia.	Mortise Depth	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units	Bit Size	Shank Dia.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/4 x 5/16	5/8	1-7/8	3	\$7.10	\$6.80	\$6.50	1/4	3/16	18	\$2.10	\$2.00	\$1.95
5/16 x 3/8	5/8	1-7/8	3	6.65	6.35	6.05	5/16	1/4	18	2.10	2.00	1.95
3/8 x 1/2	5/8	3-1/4	3	6.90	6.60	6.30	3/8	1 1/64	18	2.10	2.00	1.95
3/8 x 9/16	5/8	3-1/4	3	7.25	6.95	6.65	3/8	1 1/64	18	2.10	2.00	1.95

6 1/2" and 8" Blade Hollow Mortising Chisels and Bits now discontinued. Several sizes still available from stock at greatly reduced prices. Price on Application.

**NO. 1-26 HOLLOW CHISEL BITS
For No. 26 Hollow Chisels**
NET PRICE EACH TOOL

NO. 1 CHISEL BUSHING

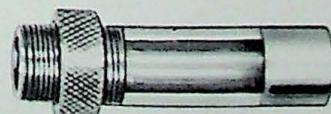
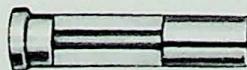
Designed to fit all mortisers using smooth shank chisels

NET PRICE EACH TOOL

Outside Dia.	Inside Dia.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units	Inside Hole Dia.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
7/8	5/8 or 3/4	1	\$4.35	\$4.05	\$3.80	5/8	2	\$6.15	\$5.85	\$5.65
1-1/8	5/8 or 3/4	1	6.15	5.85	5.65	3/4	2	6.15	5.85	5.65
1-3/8	5/8 3/4 1-1/8	1	6.45	6.15	5.95					
1-3/4	5/8 3/4 1-1/8 1-3/8	1	8.20	7.90	7.70					

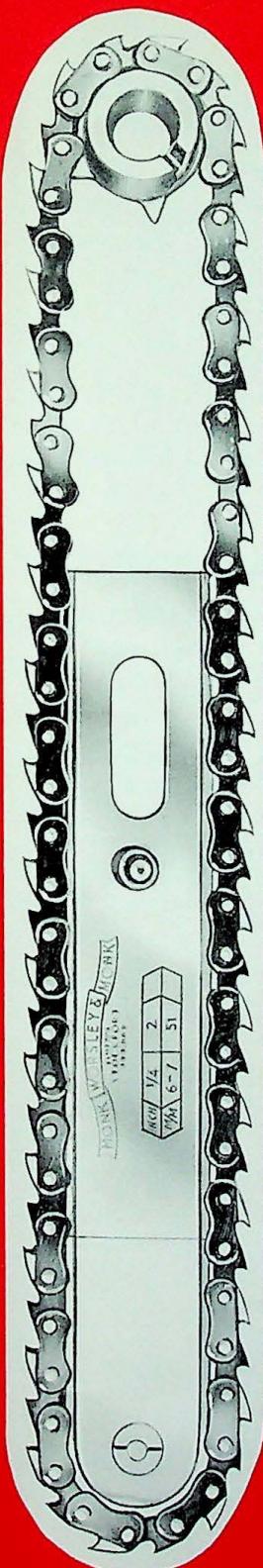
NO. 1W THREADED BUSHING

Designed to adopt Wysong & Miles mortisers for smooth shank chisels.

NET PRICE EACH TOOL

NO. 2 CHISEL BIT BUSHING
NET PRICE EACH TOOL

Outside Dia.	Inside Dia.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units	Outside Dia.	Inside Dia.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/2	3/16 1/4 1 1/64	3	\$3.00	\$2.60	\$2.40	3/4	3/16, 1/4	3	\$5.10	\$4.75	\$4.60

NO. 3 CHISEL BIT BUSHING
NET PRICE EACH TOOL



-Price List-

EFFECTIVE MAY 20, 1960

CHAIN MORTISE CUTTING EQUIPMENT

For All Chain Mortisers

All Guide Bars, Mortise Chains, Sprockets Interchangeable with Your Present Equipment.

Manufactured by Monk, Worsley and Monk—the largest exclusive producers of chain mortise gear for over 35 years with world wide acceptance --

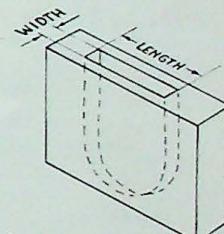
When Ordering, Specify

1. Width and length of mortise to be cut per cut No. 1.
2. Make of mortiser and dimension "A" cut No. 2 and we will supply chain of proper length.
3. When ordering chains only—or to duplicate chain you have—count the pitches remembering 2 outside links plus 1 inside link equal one pitch length per cut No. 3. Specify number pitches and width.
4. One full set gear consists of—1 each chain; bar and sprocket—any of which can be ordered to fit your machine.

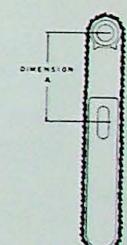
This cutting equipment recommended for all species of wood and following materials.

Aluminum	Cardboard	Lead	Plaster of Paris
Amber	Coconuts	Leather	Plastics
Asbestelite	Cork	Linoleum	Rawhide
Asbestos	Ebonite	Floor Compositions	Slate
Bakelite	Fibre	Mica Micanite	Soapstone
Beaver Board	Fibre Board	Paper	Type Metal
Bone	Hard Rubber	Papier Mache	Vulcanite

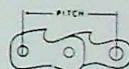
Guide Bars Drilled for Lubrication with Grease Nipple Supplied as Illustrated.



No. 1



No. 2



No. 3

— DISTRIBUTED BY —

Forest City Tool Company
Hickory, North Carolina

.54 AND .62 PITCH CHAIN MORTISE GEAR

BOLD FACE TYPE IN PRICE COLUMN INDICATES HOUSTON STOCK

.54 PITCH GUIDE BARS, CHAINS, SPROCKETS AND REPAIR PARTS

.54 Pitch Gear is intended to be used only where delicate and intricate work is necessary

SIZE OF MORTISE .54 PITCH			GUIDE BAR Price Each	CHAIN .54 PITCH			SPROCKET All $\frac{5}{8}$ " Bore		Bearing Complete Roller Bushing Screw	Bar End with Bearing	Set Three Loose Pitches				
Width	Length	Depth		Length in Pitches			No. Teeth	Price Each							
				52	54	56									
3/16"	$\frac{3}{4}$ "	3 "	32.00	56.00	58.00	60.00	6	5.50	4.50	7.50	4.50				
	$\frac{7}{8}$ "	3 $\frac{1}{2}$ "	34.00		58.00		6	5.50	4.50	7.50	4.50				
1/4"	$\frac{3}{4}$ "	3 "	32.00	44.00	46.00		6	5.50	4.50	8.00	4.50				
	$\frac{7}{8}$ "	3 $\frac{1}{2}$ "	See .62 Pitch	46.00	48.00		6	5.50	4.50	8.00	4.50				
5/16" or 3/8"	$\frac{3}{4}$ "	3 "	34.00	48.00	50.00		6	5.50	4.50	8.50	4.50				
	$\frac{7}{8}$ "	3 $\frac{1}{2}$ "	See .62 Pitch	50.00	52.00		6	5.50	4.50	9.00	4.50				

.62 PITCH GUIDE BARS, CHAINS, SPROCKETS AND REPAIR PARTS

.62 Pitch Chain is stronger than the .54 Pitch. Designed to cut all mortises 7/8" to 1-3/8" long.

Size of Mortise			Guide Bar Price Each	.62 Pitch Mortise Chain			Sprocket		Chain and Bar Repairs			Patent Screws Price Each		
Width	Length	Depth		Length in Pitches			STD $\frac{5}{8}$ " Bore	No. Teeth	Price Each	Bearing Complete with Screw	Bar End with Bearing			
				44	46	48								
1/4"	$3\frac{1}{2}$ "	$\frac{7}{8}$ "	34.00	38.00			6	5.50	3.75	7.75	4.00	All Sizes thru $\frac{7}{16}$ " 60c		
	$3\frac{1}{2}$ "	1 "	36.00	38.00			6	5.50	3.75	7.75	4.00			
	$3\frac{1}{2}$ "	$1\frac{1}{8}$ "	38.00		39.50		6	5.50	3.75	8.25	4.00			
	$4\frac{1}{2}$ "	$1\frac{1}{4}$ "	39.00		39.50		6	5.50	5.00	8.75	4.00			
	$4\frac{1}{2}$ "	$1\frac{3}{8}$ "	44.00			41.50	6	5.50	5.50	9.00	4.00			
5/16" or 3/8"	$3\frac{1}{2}$ "	$\frac{7}{8}$ "	35.00	40.00			6	5.50	3.75	7.75	4.00	 Each Houston Stock		
	$3\frac{1}{2}$ "	1 "	37.50	40.00			6	5.50	3.75	8.00	4.00			
	$3\frac{1}{2}$ "	$1\frac{1}{8}$ "	39.00		42.50		6	5.50	3.75	8.25	4.00			
	5 "	$1\frac{1}{4}$ "	40.00		42.50		6	5.50	5.00	8.50	4.00			
	5 "	$1\frac{3}{8}$ "	44.00		42.50	45.00	6	5.50	5.50	9.25	4.00			
7/16"	$3\frac{1}{2}$ "	$\frac{7}{8}$ "	35.00	42.00			6	5.50	3.75	7.75	4.50	 1/2" and $\frac{5}{8}$ " 70c		
	$3\frac{1}{2}$ "	1 "	36.00	42.00			6	5.50	3.75	8.00	4.50			
	$3\frac{1}{2}$ "	$1\frac{1}{8}$ "	37.50		45.00		6	5.50	3.75	8.25	4.50			
	5 "	$1\frac{1}{4}$ "	39.50		45.00		6	5.50	5.00	8.50	4.50			
	5 "	$1\frac{3}{8}$ "	44.00		45.00	48.00	6	5.50	5.50	9.25	4.50			
1/2"	$3\frac{1}{2}$ "	$\frac{7}{8}$ "	35.50	42.50			6	5.50	4.00	9.00	4.50	 Each		
	$3\frac{1}{2}$ "	1 "	36.50	42.50	46.50		6	5.50	4.00	9.50	4.50			
	$3\frac{1}{2}$ "	$1\frac{1}{8}$ "	37.50		46.50		6	5.50	4.00	10.00	4.50			
	5 "	$1\frac{1}{4}$ "	29.00		46.50		6	5.50	5.50	11.00	4.50			
	5 "	$1\frac{3}{8}$ "	46.00			48.00	6	5.50	5.50	12.00	4.50			
5/8"	$3\frac{1}{2}$ "	1 "	42.00	45.00			6	5.50	4.00	11.00	4.50	Each		
	5 "	$1\frac{1}{4}$ "	43.00		47.00		6	5.50	6.00	12.00	5.00			

PRICES FOR SEPARATE CHAIN PARTS - ALL SIZES .54", .62" & .89 PITCH.

Outer Link-Right Hand	Price per 10 units.	\$5.50
Outer Link-Left Hand	Price per 10 units.	\$5.50
Center Links	Price per 10 units.	\$4.00
Chain Rivets or pins	Price per 10 units.	.75

You will note: Bold face type in price columns. This indicates stock items for immediate shipments. The day order received. **On other or special order items ordinary delivery estimate is 3-4 weeks by air mail.**

We can supply double bearing guide bars to 6" long. All sizes single and double roller gang mortising equipment or special applications to your specifications.

.89 PITCH CHAIN MORTISE GEAR

.89 Pitch Gear for heaviest production in all materials
Lowest first cost-longer life for all mortises over 1½" long.

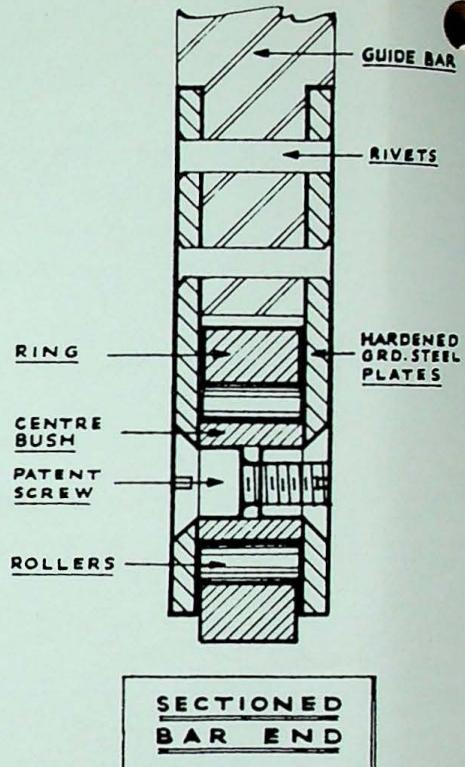
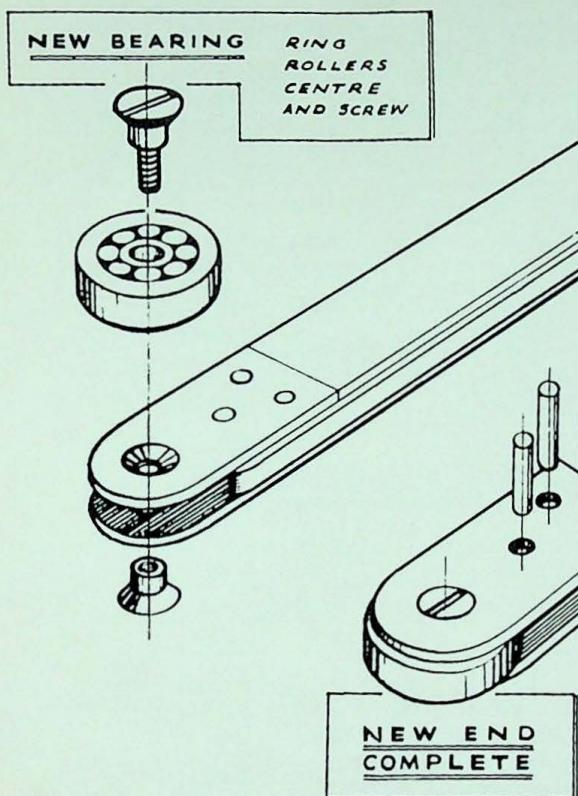
BOLD FACE TYPE IN PRICE COLUMN INDICATES HOUSTON STOCK

.89 PITCH GUIDE BARS, CHAIN SPROCKETS AND REPAIRS

SIZE OF MORTISE			GUIDE BAR	.89 Pitch CHAIN				SPROCKET All $\frac{3}{8}$ " Bore		Bearing Complete Roller Bushing Screw	Bar End with Bearing	Price Three Loose Pitches Repairs	Patent Screws Each
Width	Length	Depth	Price Each	Length in Pitches				No. Teeth	Price Each				
				32	34	36	38						
$\frac{1}{4}$ "	1½"	4½"	32.50	27.00				4	4.00	5.50	8.50	4.00	All Sizes thru
	1½"	4½"	35.00	27.00				4	4.00	6.00	9.50	4.00	
	1¾"	4½"	33.00		29.00			5	5.00	6.60	9.50	4.00	
	2"	4½"	34.00		29.00			5	5.00	6.75	10.25	4.00	
	2¼"	4½"	36.00			31.00		6	6.00	7.50	10.75	4.00	
	2½"	4½"	38.00			31.00	33.00	7	7.00	7.50	11.25	4.00	
$\frac{5}{16}$ " or $\frac{3}{8}$ "	1½"	4½"	33.50	29.00				4	4.00	5.50	8.50	4.00	1½"
	1½"	4½"	34.50	29.00				5	5.00	6.00	9.75	4.00	.60c
	1¾"	5"	36.00	29.00				5	5.00	6.00	9.75	4.00	Each
	2"	5"	37.00		31.00			6	6.00	6.75	10.50	4.00	Houston Stock
	2¼"	5"	38.00		31.00			7	7.00	6.75	10.50	4.00	
	2½"	5"	39.00			33.00		7	7.00	6.75	11.00	4.00	
	2¾"	5"	40.00			33.00		8	9.00	8.00	12.00	4.00	
	3"	5"	40.00				35.00	8	9.00	8.00	12.50	4.00	
$\frac{7}{16}$ "	1½"	5"	34.50	32.00				4	4.00	5.00	8.50	4.00	
	1¾"	5"	35.50		34.00			5	5.00	6.00	9.75	4.00	
	2"	5"	37.00		34.00			5	5.00	6.75	10.50	4.00	
	2¼"	5"	40.00			36.00		6	6.00	6.75	10.50	4.00	
	2½"	5"	43.00			36.00	38.00	7	7.50	7.50	11.00	4.00	
$\frac{1}{2}$ " or $\frac{9}{16}$ "	1½"	5"	35.50	34.00				4	4.00	5.00	8.50	4.25	
	1½"	5"	37.00	34.00				4	4.00	5.00	9.75	4.25	
	1¾"	5½"	37.50		36.50			5	5.00	6.00	9.75	4.25	
	2"	5½"	38.50		36.50			5	5.00	7.00	10.50	4.25	
	2¼"	5½"	39.50			37.50		6	6.00	7.50	11.00	4.25	
	2½"	5½"	40.50			37.50		7	7.00	7.50	11.50	4.25	
	3"	5½"	44.00				41.00	8	9.00	8.75	12.50	4.25	
$\frac{5}{8}$ "	1½"	5½"	36.00	37.00				4	4.00	6.00	9.00	4.75	
	1¾"	5½"	37.00	37.00				5	5.00	7.00	10.50	4.75	All Sizes thru
	2"	5½"	39.50		39.00			5	5.00	7.00	10.50	4.75	
	2¼"	5½"	40.50		39.00			6	6.00	7.50	11.25	4.75	
	2½"	5½"	42.50			42.00		7	7.00	7.50	11.50	4.75	
	3"	5½"	46.50				45.00	8	9.00	8.75	12.50	4.75	
$\frac{3}{4}$ "	1½"	6"	38.00	40.00	42.50			4	4.00	6.00	9.25	6.50	1½"
	1¾"	6"	39.50		42.50			5	5.00	7.00	10.75	6.50	.75c
	2"	6"	40.50		42.50			5	5.00	7.00	10.75	6.50	Each
	2¼"	6"	41.50			44.50		6	6.00	7.50	11.00	6.50	Houston Stock
	2½"	6"	43.50			44.50	47.00	7	7.00	7.50	11.25	6.50	
$\frac{7}{8}$ "	2¼"	6"	43.00			51.00		6	6.00	8.00	12.00	7.00	
	2½"	6"	44.00			51.00		7	7.00	8.50	12.50	7.00	
	2¾"	6"	48.00				53.00	8	9.00	9.00	13.00	7.00	
	3"	6"	52.00				53.00	8	9.00	9.50	13.50	7.00	
1"	2"	6"	44.00		58.00			5	5.00	8.00	11.50	7.25	
	2½"	6"	46.00		60.00			7	7.00	8.50	12.50	7.25	
	3"	6"	54.00				64.00	8	9.00	9.50	13.50	7.25	
	1½" or 1¾"	2½"	45.00			68.00		7	7.00	8.50	12.50	9.00	
	1½" or 1¾"	2½"	45.00			68.00	72.00	7	7.00	8.50	12.50	9.00	

ITEMS NOT IN STOCK OR SPECIAL ORDER RECEIVED IN 3-4 WEEKS BY AIR MAIL

for MORTISE GUIDE BARS



EXCLUSIVE design illustrated above.

The guide bar end is ground to a dead thickness to allow running clearance of the rollers and ring only.

PLATES

No screw threads in plate or bar. The plates are hardened steel ground dead flat, and are riveted firmly to the guide bar. By this method of assembly, the bar end and plates being ground, it will be seen that all inaccuracy is eliminated.

BEARINGS

The bearing comprises outer ring, rollers and center race, all hardened ground steel. The fixed center race allowing for a running clearance of the outer ring. Always sold with patent screw.

SCREW

As the illustration shows, the screw locates and secures the whole bearing firmly and strongly in position.

It will be seen that by the removing of the one screw only, the whole bearing can be withdrawn, and a new one fitted instantly by the replacement of the screw, no fitting or skill being required as all bearings are interchangeable.

The great advantage of this design is readily apparent by comparison with other types. A complete bar end can be supplied comprising an assembled bearing, screw plates and rivets ready for riveting to existing bar. This will give you equivalent service to new guide bar at less than 1/3 the cost. The labor to install easily done in your own shop.

**MACHINE
and DOWEL
BITS**



FOREST
CITY
TOOL



NO. 101 DOUBLE TWIST MACHINE BITS

Sizes 3/4 In. dia. and smaller have Extension Lip. 13/16 In. and larger have Double Cut. (See page 4)

4 In. Length of Twist

1/2x2 In. Shank		NET PRICE EACH TOOL		
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/4	12	\$2.40	\$2.25	\$2.10
5/16	12	2.40	2.25	2.10
3/8	12	2.40	2.25	2.10
7/16	12	2.40	2.25	2.10
1/2	12	2.45	2.30	2.15
9/16	10	2.50	2.35	2.20
5/8	10	2.60	2.45	2.30
11/16	10	2.65	2.50	2.35
3/4	10	2.70	2.55	2.40
13/16	8	2.95	2.80	2.65
7/8	8	3.10	2.95	2.80
15/16	8	3.30	3.15	3.00
1	8	3.55	3.40	3.25

8 In. Length of Twist

1/2x2 In. Shank		NET PRICE EACH TOOL		
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
3/8	12	\$2.90	\$2.60	\$2.45
7/16	12	2.90	2.60	2.45
1/2	12	3.10	2.80	2.50
9/16	12	3.20	2.85	2.50
5/8	10	3.30	2.90	2.55
11/16	10	3.35	2.95	2.60
3/4	10	3.40	3.05	2.70
13/16	8	3.45	3.20	2.85
7/8	6	3.55	3.25	3.00
1	6	3.75	3.55	3.40

6 In. Length of Twist

1/2x2 In. Shank		NET PRICE EACH TOOL		
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
5/16	12	\$ 2.45	\$ 2.25	\$ 2.15
3/8	12	2.45	2.25	2.15
7/16	12	2.45	2.25	2.15
1/2	12	2.60	2.35	2.20
9/16	12	2.65	2.45	2.25
5/8	12	2.70	2.50	2.30
11/16	12	2.75	2.50	2.30
3/4	12	2.80	2.60	2.40
13/16	10	3.00	2.75	2.50
7/8	10	3.20	2.90	2.65
15/16	10	3.45	3.10	2.85
1	10	3.60	3.30	3.00
1-1/16	8	3.90	3.50	3.20
1-1/8	8	4.10	3.70	3.35
1-3/16	8	4.30	3.90	3.60
1-1/4	8	4.55	4.05	3.70
1-5/16	8	4.70	4.35	4.00
1-3/8	8	4.95	4.70	4.50
1-1/2	8	5.40	5.05	4.80
1-5/8	6	5.95	5.45	5.00
1-3/4	6	6.50	5.95	5.45
1-7/8	6	7.00	6.50	6.00
*2	6	7.60	7.10	6.60
*2-1/4	6	11.00	9.90	8.80
*2-1/2	6	12.40	11.15	9.95
*2-3/4	6	15.50	13.75	12.00

* 3/4 in. dia. shank

12 In. Length of Twist

1/2 or 3/4x2 In. Shank		NET PRICE EACH TOOL		
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
3/8	12	\$ 3.90	\$ 3.50	\$ 3.20
7/16	12	3.90	3.50	3.20
1/2	12	4.00	3.55	3.25
9/16	12	4.20	3.75	3.35
5/8	10	4.30	3.85	3.45
11/16	10	4.35	3.90	3.50
3/4	10	4.50	4.05	3.60
13/16	8	4.65	4.15	3.75
7/8	6	4.80	4.35	4.00
15/16	6	5.10	4.70	4.30
1	6	5.40	4.85	4.55
1-1/8	4	6.00	5.40	5.10
1-1/4	3	6.60	6.10	5.60
1-3/8	3	7.60	7.10	6.60
1-1/2	3	8.00	7.50	7.00
1-3/4	3	9.80	9.30	8.80
2	3	11.50	11.00	10.50

14 In. Length of Twist

1/2 or 3/4x2 In. Shank		NET PRICE EACH TOOL		
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/2	3	\$ 5.20	\$ 4.20	\$ 3.55
9/16	3	5.25	4.30	3.65
5/8	3	5.37	4.35	3.90
11/16	2	5.47	4.35	3.85
3/4	2	5.50	5.00	4.50
13/16	2	5.90	5.20	4.30
7/8	2	6.30	5.90	5.50
1	2	7.15	6.20	5.50

Sizes Not Shown—Price on Request



NO. 301 SHIP AUGER MACHINE BITS

 $\frac{1}{2}$ x 2 In. shank

12 In. Length of Twist

18 In. Length of Twist

Size	Tools per Unit	NET PRICE EACH TOOL			Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units			1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{5}{8}$	10	\$ 3.20	\$ 2.80	\$ 2.40	$\frac{9}{16}$	8	\$ 4.60	\$ 4.20	\$ 3.80
$\frac{7}{16}$	10	3.30	2.90	2.50	$\frac{5}{8}$	8	4.70	4.30	3.90
$\frac{1}{2}$	10	3.35	2.95	2.55	$1\frac{1}{16}$	8	4.85	4.45	4.05
$\frac{9}{16}$	8	3.40	3.00	2.60	$\frac{3}{4}$	8	5.00	4.60	4.20
$\frac{5}{8}$	8	3.50	3.10	2.70	$1\frac{3}{16}$	6	5.35	4.95	4.55
$1\frac{1}{16}$	8	3.55	3.15	2.75	$\frac{7}{8}$	6	5.75	5.35	4.95
$\frac{3}{4}$	8	3.60	3.20	2.80	$1\frac{5}{16}$	6	6.10	5.70	5.30
$1\frac{3}{16}$	6	3.70	3.30	2.90	1	6	6.50	6.10	5.70
$\frac{7}{8}$	6	4.00	3.60	3.20					
$1\frac{5}{16}$	6	4.30	3.90	3.50					
1	6	4.50	4.10	3.70					

24 In. Length of Twist

For
Deep Boring,
Construction,
Bridge Work,
Etc.

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{9}{16}$	8	\$5.85	\$5.45	\$5.05
$\frac{5}{8}$	8	6.00	5.60	5.20
$1\frac{1}{16}$	8	6.15	5.75	5.35
$\frac{3}{4}$	8	6.30	5.90	5.50
$1\frac{3}{16}$	6	6.80	6.40	6.00
$\frac{7}{8}$	6	7.30	6.90	6.50
$1\frac{5}{16}$	6	7.80	7.40	7.00
1	6	8.25	7.85	7.45

Other Sizes
and Lengths
Quoted
on Request



NO. 103 BLIND STYLE BITS

 $\frac{1}{2}$ x 2 shank
4 Inches Overall

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{5}{8}$	12	\$2.40	\$2.05	\$1.85
$\frac{7}{16}$	12	2.50	2.15	1.90
$\frac{1}{2}$	12	2.60	2.20	2.00



NO. 104 RELISHING BITS

2-1/4 In. Twist, 5-1/4 In. Overall
1/2 In. dia. shank

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{5}{8}$	12	\$2.40	\$2.05	\$1.85
$\frac{7}{16}$	12	2.50	2.15	1.90
$\frac{1}{2}$	12	2.60	2.20	2.00
$\frac{5}{8}$	6	2.70	2.30	2.10
$\frac{3}{4}$	6	2.80	2.40	2.20



FINE WOOD CUTTING TOOLS SINCE 1890



NO. 107 BRAD POINT MACHINE BITS

Use No. 101 List plus 10%



NO. 110 SCREW SHANK DOWEL BITS

7/16 No. 14 thread

Extension Lip for Clean Boring (see cut below)
4 1/2 In. Overall

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
* 1/4	12	\$2.20	\$2.05	\$1.95
5/16	12	2.30	2.15	2.05
* 3/8	12	2.30	2.15	2.05
* 25/64	12	2.50	2.35	2.25
* 7/16	12	2.35	2.20	2.10
* 29/64	12	2.60	2.45	2.35
* 1/2	12	2.40	2.25	2.15
5/8	12	2.80	2.65	2.50
3/4	12	2.90	2.75	2.60

* also in 3-1/2" overall length



NO. 109 ACME CUT DOWEL BITS

7/16 No. 14 thread

acme cut for end grain boring (see cut below)
4-1/2 In. Overall

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
* 3/8	12	\$2.45	\$2.30	\$2.20
25/64	12	2.60	2.45	2.35
* 7/16	12	2.45	2.30	2.20
29/64	12	2.70	2.55	2.45

* also in 3-1/2" overall length

NO. 111 SCREW SHANK DOWEL BITS

5/16 No. 20 thread

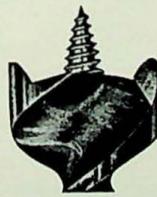
Identical to No. 110 Bit except for size of threaded shank

4-1/2 Overall

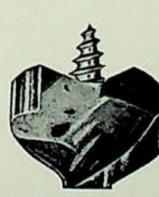
NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
3/8	12	\$2.50	\$2.35	\$2.25
7/16	12	2.50	2.35	2.25



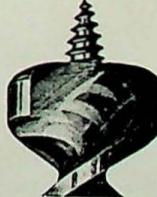
Double Spur



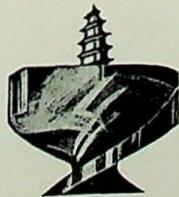
Extension Lip



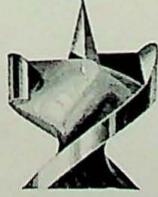
Acme Cut



Round Cut



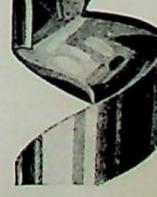
Hub Flat Cut



Brad Point



Ship Auger



No Screw

COUNTERSINKS
and
COUNTERBORES



Bulletin No. 200

June 1960



FOREST CITY TOOL COMPANY, HICKORY, NORTH CAROLINA

**NO. 122 ADJUSTABLE COUNTERSINK**

Carbon Steel

also furnished with Bevel Cut

NO. X 122 ADJUSTABLE COUNTERSINK

High Speed Steel

(Drills Not Included in Price)

Size	Tools per Unit	NET PRICE EACH TOOL					
		1 pc. thru 3 Units		4 thru 6 Units		7 or more Units	
		Carbon	H. S. S.	Carbon	H. S. S.	Carbon	H. S. S.
3/8 x 3/16	12	\$4.60	\$6.60	\$4.30	\$6.30	\$4.15	\$6.10
1/2 x 5/32	12	4.60	6.60	4.30	6.30	4.15	6.10
1/2 x 3/16	12	4.60	6.60	4.30	6.30	4.15	6.10
1/2 x 7/32	12	4.60	6.60	4.30	6.30	4.15	6.10
1/2 x 1/4	12	4.60		4.30		4.15	
5/8 x 3/16	8	5.20		4.90		4.75	
5/8 x 1/4	8	5.20		4.90		4.75	
3/4 x 1/4	6	6.40		6.10		5.95	
7/8 x 1/4	6	7.25		6.95		6.80	
1 x 1/4	4	8.10		7.80		7.65	
1-1/8 x 1/4	3	9.00		8.70		8.55	
1-1/4 x 1/4	3	9.85		9.55		9.40	
1-1/2 x 1/4	2	11.25		10.95		10.80	

**NO. 121 SCREW SHANK ADJUSTABLE COUNTERSINK**

7/16 No. 14 or 5/16 No. 18 Threaded Shank, R or L Hand Twist

NO. X 121 SCREW SHANK ADJUSTABLE COUNTERSINK

Also furnished with Bevel Cut

(Drills Not Included in Price)

Size	Tools per Unit	NET PRICE EACH TOOL					
		1 pc. thru 3 Units		4 thru 6 Units		7 or more Units	
		Carbon	H. S. S.	Carbon	H. S. S.	Carbon	H. S. S.
3/8 x 5/32	6	\$5.15	\$	\$4.90	\$	\$4.60	\$
1/2 x 5/32	6	5.15	6.80	4.90	6.55	4.60	6.35
1/2 x 3/16	6	5.15	6.80	4.90	6.55	4.60	6.35
1/2 x 7/32	6	5.15	6.80	4.90	6.55	4.60	6.35
5/8 x 3/16	4	5.80	7.70	5.55	7.45	5.25	7.25



NO. 124 ADJUSTABLE COUNTERSINK

$\frac{1}{2}$ In. Split Shank with Set Screw
3 In. Overall Length

(Drills Not Included in Price)

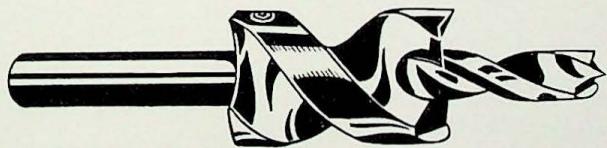
Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
$\frac{1}{2} \times \frac{1}{8}$	6	\$3.30	\$3.00	\$2.75
$\frac{1}{2} \times \frac{5}{64}$	6	3.30	3.00	2.75
$\frac{1}{2} \times \frac{5}{32}$	6	3.30	3.00	2.75
$\frac{1}{2} \times \frac{11}{64}$	6	3.30	3.00	2.75
$\frac{1}{2} \times \frac{3}{16}$	6	3.30	3.00	2.75
$\frac{1}{2} \times \frac{13}{64}$	6	3.30	3.00	2.75
$\frac{1}{2} \times \frac{7}{32}$	6	3.30	3.00	2.75
$\frac{1}{2} \times \frac{15}{64}$	6	3.30	3.00	2.75
$\frac{1}{2} \times \frac{1}{4}$	6	3.30	3.00	2.75
$\frac{5}{8} \times \frac{5}{16}$	6	3.80	3.50	3.30
$\frac{3}{4} \times \frac{3}{8}$	6	4.65	4.35	4.10



NO. 120 MULTI SPUR COUNTERSINK

All Sizes have $\frac{1}{2}$ In. dia. hole
(Drills Not Included in Price)

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
$1\frac{1}{8}$	4	\$ 6.10	\$ 5.80	\$ 5.60
$1\frac{1}{4}$	4	6.40	6.10	5.90
$1\frac{3}{8}$	4	6.85	6.55	6.35
$1\frac{1}{2}$	4	7.50	7.20	7.00
$1\frac{5}{8}$	4	8.00	7.70	7.50
$1\frac{3}{4}$	4	8.60	8.30	8.20
$1\frac{7}{8}$	4	9.00	8.70	8.50
2	3	9.30	9.00	8.80
$2\frac{1}{8}$	3	9.60	9.30	9.10
$2\frac{1}{4}$	3	10.20	9.90	9.70
$2\frac{1}{2}$	3	11.75	11.45	11.25



NO. 123 ADJUSTABLE COUNTERSINK CUTTERS

Can be furnished on the shank or twist of a drill

(Drills Not Included in Price)

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
$\frac{1}{2} \times \frac{3}{16}$	12	\$2.10	\$1.60	\$1.30
$\frac{1}{2} \times \frac{7}{32}$	12	2.10	1.60	1.30
$\frac{1}{2} \times \frac{1}{4}$	12	2.10	1.60	1.30
$\frac{3}{4} \times \frac{5}{16}$	6	4.10	3.90	3.70
$\frac{7}{8} \times \frac{3}{8}$	6	5.30	5.10	4.90
$1 \times \frac{5}{16}$	5	6.40	6.20	6.00
$1 \times \frac{3}{8}$	5	6.40	6.20	6.00
$1 \times \frac{1}{2}$	5	6.40	6.20	6.00
$1\frac{1}{4} \times \frac{3}{8}$	4	6.85	6.65	6.45
$1\frac{1}{4} \times \frac{1}{2}$	4	6.85	6.65	6.45
$1\frac{1}{2} \times \frac{1}{2}$	4	7.40	7.20	7.00
$1\frac{5}{8} \times \frac{1}{2}$	3	7.90	7.70	7.50
$1\frac{3}{4} \times \frac{1}{2}$	3	8.50	8.30	8.10
$2 \times \frac{1}{2}$	3	9.50	9.30	9.10

NO. 125 ADJUSTABLE COUNTERSINK CUTTERS

1 $\frac{1}{2}$ In. Overall Length
(Drills Not Included in Price)

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
$\frac{1}{2} \times \frac{5}{32}$	4	\$2.00	\$1.50	\$1.25
$\frac{1}{2} \times \frac{3}{16}$	4	2.00	1.50	1.25
$\frac{1}{2} \times \frac{7}{32}$	4	2.00	1.50	1.25
$\frac{1}{2} \times \frac{1}{4}$	4	2.00	1.50	1.25

NO. 126 ADJUSTABLE COUNTERSINKS

3 In. Overall $\frac{1}{2}$ shank
Split Shank & Set Screw
(Drills Not Included in Price)

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
$\frac{1}{2} \times \frac{3}{16}$	12	\$4.00	\$3.70	\$3.45
$\frac{1}{2} \times \frac{7}{32}$	12	4.00	3.70	3.45



**NO. 117 SOLID COUNTERSINKS
BEVEL CUT**

Large Dia. 2 In. Long, Small Dia. 1-1/2 In. Long
1/2 x 2 shank

NET PRICE EACH TOOL					
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or More Units	
1/2 x 3/16	6	\$4.40	\$4.25	\$4.10	
1/2 x 7/32	6	4.40	4.25	4.10	
1/2 x 1/4	6	4.40	4.25	4.10	



**NO. 118 SOLID COUNTERSINKS
SPUR CUT**

Large Dia. 2 In. Long, Small Dia. 1-1/2 In. Long
1/2 x 2 shank

NET PRICE EACH TOOL					
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or More Units	
1/2 x 3/16	6	\$4.95	\$4.70	\$4.55	
1/2 x 7/32	6	4.95	4.70	4.55	
1/2 x 1/4	6	4.95	4.70	4.55	

NO. 122-B BRAD POINT CENTER DRILLS

6 In. Overall Carbon Steel
Shank Same Dia. as Twist

NO. X 122-B BRAD POINT CENTER DRILLS

6 In. Overall Length High Speed Steel

NET PRICE EACH TOOL							
Size	Tools per Unit	1 pc. thru 3 Units		4 thru 6 Units		7 or more Units	
		Carbon	H. S. S.	Carbon	H. S. S.	Carbon	H. S. S.
5/32	12	\$1.20	\$	\$1.15	\$	\$1.10	\$
3/16	12	1.20	1.25	1.15	1.20	1.10	1.15
7/32	12	1.20	1.25	1.15	1.20	1.10	1.15
1/4	12	1.20	1.25	1.15	1.20	1.10	1.15
19/64	12	1.50		1.35		1.15	
5/16	12	1.50		1.35		1.15	

NO. 122-D CENTER DRILLS

6 In. Overall Length Carbon Steel
Shank Same Dia. as Twist

NO. X 122-D CENTER DRILLS

6 In. Overall High Speed Steel
Shank Same Dia. as Twist

NET PRICE EACH TOOL							
Size	Tools per Unit	1 pc. thru 3 Units		4 thru 6 Units		7 or more Units	
		Carbon	H. S. S.	Carbon	H. S. S.	Carbon	H. S. S.
1/8	24	\$.75	\$	\$.70	\$	\$.67	\$
5/32	24	.75		.70		.67	
3/16	24	.80	.85	.75	.80	.72	.77
7/32	24	.80	.85	.75	.80	.72	.77
1/4	24	.80	.85	.75	.80	.72	.77
9/32	20	.85		.80		.72	.77
5/16	20	.90		.85		.77	.83
19/64	20	1.00		.90		.87	
5/8	15	1.05		1.00	1.05	.97	



NO. 124-B BRAD POINT CENTER DRILLS - 4 $\frac{1}{2}$ Overall

NO. X124-B CENTER DRILLS - High Speed Steel

Size	Tools per Unit	NET PRICE EACH TOOL					
		1 pc. thru 3 Units		4 thru 6 Units		7 or more Units	
		Carbon	H. S. S.	Carbon	H. S. S.	Carbon	H. S. S.
1/8	24	\$1.15	\$	\$1.10	\$	\$1.05	\$
5/32	24	1.15		1.10		1.05	
3/16	24	1.15	1.20	1.10	1.15	1.05	1.10
7/32	24	1.15	1.20	1.10	1.15	1.05	1.10
1/4	24	1.15	1.20	1.10	1.15	1.05	1.10



NO. 124-D CENTER DRILLS

For use in No. 121, No. 124, No. 126, No. 125, No. 123

Adjustable Countersink

Overall Length 4-1/2 Carbon Steel

Shank Same Dia. as Twist

NO. X 124-D CENTER DRILLS

High Speed Steel

Size	Tools per Unit	NET PRICE EACH TOOL					
		1 pc. thru 3 Units		4 thru 6 Units		7 or more Units	
		Carbon	H. S. S.	Carbon	H. S. S.	Carbon	H. S. S.
1/8	24	\$.70	\$	\$.65	\$	\$.62	\$
5/64	24	.70		.65		.62	
5/32	24	.70		.65		.62	
11/64	24	.75		.70		.67	
3/16	24	.75	.80	.70	.75	.67	.72
13/64	24	.75		.70		.67	
7/32	24	.75	.80	.70	.75	.67	.72
15/64	24	.75		.70		.67	
1/4	24	.75	.80	.70	.75	.67	.72
5/16	20	.85		.80		.76	
3/8	15	.95		.90		.87	



NO. 121-B CENTER DRILLS

for No. 121 adjustable countersink

1-1/2 In. Twist, 5-1/2 In. Overall

NO. X 121-B CENTER DRILLS

High Speed Steel

Size	Tools per Unit	1 pc. thru 3 Units		4 thru 6 Units		7 or more Units	
		Carbon	H. S. S.	Carbon	H. S. S.	Carbon	H. S. S.
*3/16 W / 5/32 sk.	12	\$1.25	\$1.30	\$1.15	\$1.20	\$1.10	\$1.15
*5/32 W / 5/32 sk.	12	1.25	1.30	1.15	1.20	1.10	1.15
*1/4 W / 3/16 sk.	12	1.25	1.30	1.15	1.20	1.10	1.15

For Left Hand Twist plus \$.20 each to above prices in Carbon Steel - \$.45 in High Speed Steel.



NO. 122-C CENTER DRILLS

6 In. Overall

For use in No. 122 Adjustable Countersink

NET PRICE EACH TOOL					
Drill Size	Size Sk.	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1 1/64	5/32	12	\$1.25	\$1.15	\$1.10
3/16	5/32	12	1.25	1.15	1.10
1 3/64	5/32	12	1.25	1.15	1.10
7/32	5/32	12	1.25	1.15	1.10
1 5/64	3/16	12	1.30	1.20	1.15
1/4	3/16	12	1.30	1.20	1.15
5/16	1/4	10	1.50	1.40	1.35
1 1/32	1/4	10	1.50	1.40	1.35
3/8	1/4	10	1.50	1.40	1.35
7/16	1/4	10	1.50	1.40	1.35
1/2	1/4	10	1.50	1.40	1.35

NO. 122-T STRAIGHT SHANK TAPER POINT DRILLS

2-1/2 In. Twist, 6 In. Overall Carbon Steel
tapered to fit Screw

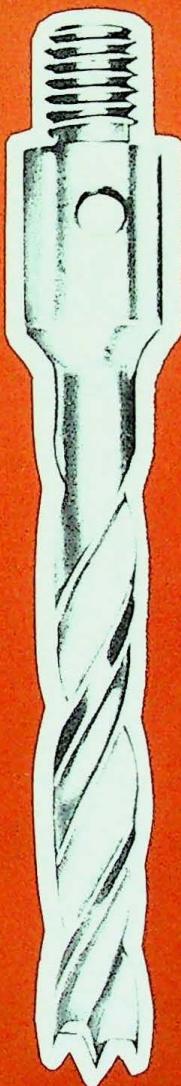
NET PRICE EACH TOOL					
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units	
3/16	24	\$1.13	\$1.08	\$1.05	
1 3/64	24	1.13	1.08	1.05	
5/32	24	1.13	1.08	1.05	
1 5/64	24	1.13	1.08	1.05	
1/4	24	1.13	1.08	1.05	
1 7/64	24	1.23	1.18	1.15	
9/32	24	1.27	1.22	1.19	
5/16	24	1.33	1.28	1.25	

No. 124-T Straight Shank Taper-Point Drills

2 In. Twist, 4-1/2 In. Overall Carbon Steel
tapered to fit Screw

NET PRICE EACH TOOL					
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units	
3/16	24	\$1.00	\$.95	\$.92	
1 3/64	24	1.00	.95	.92	
7/32	24	1.00	.95	.92	
1 5/64	24	1.00	.95	.92	
1/4	24	1.00	.95	.92	
1 7/64	24	1.10	1.05	1.02	
9/32	24	1.13	1.08	1.05	
5/16	24	1.20	1.15	1.12	

MACHINE and DOWEL DRILLS





NO. 200 BRAD POINT DRILLS

Carbon Steel
1/2 x 2 shank

Size	Twist Length	Tools per Unit	NET PRICE EACH TOOL		
			1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
3/16	x	3	6	\$1.77	\$1.70
5/32	x	3 or 4	6	1.77	1.70
1/4	x	3 or 4	6	1.77	1.70
9/32	x	3 or 4	6	1.80	1.73
5/16	x	3 or 4	6	1.80	1.73
11/32	x	3 or 4	6	1.83	1.76
3/8	x	3 or 4	6	1.83	1.76
13/32	x	3 or 4	6	1.87	1.80
7/16	x	3 or 4	6	1.87	1.80
15/32	x	4	6	1.93	1.86
1/2	x	3 or 4	6	2.00	1.90
17/32	x	4	5	2.30	2.20
9/16	x	4	5	2.30	2.20
5/8	x	3 or 4	5	2.63	2.53
11/16	x	4	4	2.93	2.83
3/4	x	4	4	3.33	3.23
13/16	x	4	4	3.70	3.60
7/8	x	4	3	4.10	3.90
15/16	x	4	3	4.53	4.43
1	x	4	2	5.03	4.93
1-1/4	x	4	1	6.00	5.90
1-1/2	x	4	1	7.00	6.90
					6.85



NO. 200-M TAPER SHANK DRILLS

Shank Tapered to fit McKnight Boring Machine
Brad Point furnished unless otherwise specified

4-3/4 Overall

Right & Left Hand

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
3/8	4	\$2.85	\$2.65	\$2.50
7/16	4	2.95	2.75	2.60
1/2	4	3.00	2.80	2.65



NO. 204 DOWEL DRILLS

Carbon Steel

4-1/2 Overall

7/16 No. 14 or 5/16 No. 18 Thd.

Right or Left Hand

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
1/4	6	\$2.20	\$2.05	\$1.85
5/16	6	2.25	2.10	1.90
3/8	6	2.30	2.15	1.95
7/16	6	2.50	2.35	2.15
1/2	6	2.60	2.45	2.25



NO. X204 DOWEL DRILLS

High Speed Steel

7/16 No. 14 or 5/16 No. 18 Thd.

4-1/2 Overall

Right or Left Hand

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
1/4	6	\$4.00	\$3.75	\$3.50
3/8	6	4.10	3.85	3.60
7/16	6	4.15	3.90	3.65

NO. X 200 BRAD POINT DRILLS

High Speed Steel
1/2 x 2 shank 6 In. Overall Length

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
1/4 x 4	6	\$2.60	\$2.45	\$2.30
5/16 x 4	6	2.70	2.55	2.40
3/8 x 4	6	2.75	2.60	2.45
7/16 x 4	6	2.85	2.70	2.55
1/2 x 4	6	4.00	3.80	2.85
9/16 x 4	6	4.55	4.40	4.25
5/8 x 4	6	5.10	4.95	4.80
11/16 x 4	6	5.65	5.50	5.35
3/4 x 4	6	6.20	6.05	5.90
13/16 x 4	6	6.80	6.65	6.50
7/8 x 4	6	7.35	7.20	7.05
15/16 x 4	6	8.15	8.00	7.85
1	6	9.55	9.40	9.25

**NO. X203-J DOWEL DRILLS**

High Speed Steel

2-1/2 In. Overall

7/16 No. 14 or 5/16 No. 20 Thd.

Right or Left Hand

* Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
1/4	6	\$3.50	\$3.20	\$3.00
5/16	6	3.50	3.20	3.00
7/16	6	3.50	3.20	3.00

*Other sizes available - Price on request

NO. X205 DOWEL DRILLS

High Speed Steel

Designed Especially for the Bell 24

3-1/2 Overall

7/16 No. 14 Thd.

* Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
3/8	6	\$4.05	\$3.80	\$3.55
7/16	6	4.10	3.85	3.60

*Other Sizes available - Price on request

**NO. 203 DOWEL DRILLS**

Carbon Steel

7/16 No. 14 or 5/16 No. 18 Thd.

4-1/2 Overall

Right or Left Hand

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
* 5/16	6	\$2.20	\$2.05	\$1.90
* 1/4	6	2.25	2.10	1.95
* 7/16	6	2.30	2.15	2.00
* 3/8	6	2.40	2.25	2.10
* 23/64	6	2.60	2.50	2.40
* 7/16	6	2.50	2.35	2.20
29/64	5	2.75	2.65	2.55
1/2	5	2.65	2.50	2.35
5/16	3	3.00	2.85	2.70
3/8	3	3.30	3.15	3.00
5/8	3	3.90	3.75	3.60

*Also furnished 3-1/2 Overall for additional rigidity

NO. X203 DOWEL DRILLS

High Speed Steel

7/16 No. 14 or 5/16 No. 18 Thd.

3-1/2 or 4-1/2 Overall

Right or Left Hand

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
1/4	6	\$4.05	\$3.80	\$3.55
5/16	6	4.10	3.85	3.60
3/8	6	4.15	3.90	3.65
7/16	6	4.20	3.95	3.70

Please specify overall length when ordering
Other sizes available - price on request



NO. 201 TAPER HEAD DRILLS

4 In. Twist

$\frac{1}{2}$ x 2 shank

Carbon Steel

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
$\frac{1}{4}$ x 4	6	\$1.60	\$1.50	\$1.40
$\frac{9}{32}$ x 4	6	1.65	1.55	1.45
$\frac{5}{16}$ x 4	6	1.70	1.60	1.50
$\frac{11}{32}$ x 4	6	1.75	1.65	1.55
$\frac{3}{8}$ x 4	6	1.75	1.65	1.55
$\frac{13}{32}$ x 4	6	1.75	1.65	1.55
$\frac{7}{16}$ x 4	6	1.75	1.65	1.55
$\frac{1}{2}$ x 4	6	1.85	1.75	1.65
$\frac{5}{8}$ x 4	5	2.50	2.40	2.30
$\frac{3}{4}$ x 4	4	3.10	3.00	2.90

NO. 201 TAPER HEAD DRILLS

8 In. Twist

$\frac{1}{2}$ x 2 shank

Carbon Steel

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
$\frac{3}{8}$	6	\$2.50	\$2.35	\$2.20
$\frac{7}{16}$	6	2.60	2.45	2.30
$\frac{1}{2}$	6	2.70	2.55	2.40
$\frac{9}{16}$	6	3.00	2.85	2.70
$\frac{5}{8}$	4	3.40	3.25	3.10
$\frac{11}{16}$	4	3.80	3.65	3.50
$\frac{3}{4}$	4	4.25	4.10	3.95

NO. 201 TAPER HEAD DRILLS

6 In. Twist

$\frac{1}{2}$ x 2 shank

Carbon Steel

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
$\frac{3}{8}$	6	\$2.00	\$1.85	\$1.70
$\frac{7}{16}$	6	2.15	2.00	1.85
$\frac{1}{2}$	6	2.30	2.15	2.00
$\frac{9}{16}$	6	2.60	2.45	2.30
$\frac{5}{8}$	4	2.90	2.75	2.60
$\frac{3}{4}$	4	3.60	3.45	3.25

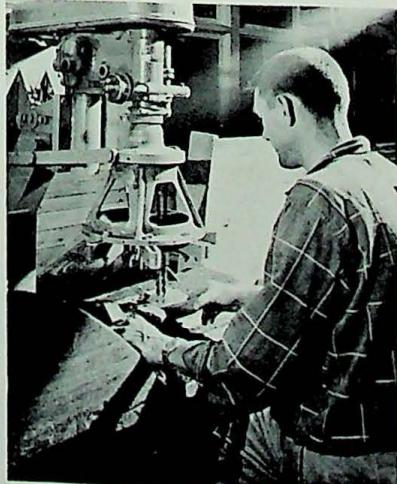
NO. 201 TAPER HEAD DRILLS

10 In. Twist

$\frac{1}{2}$ x 2 shank

Carbon Steel

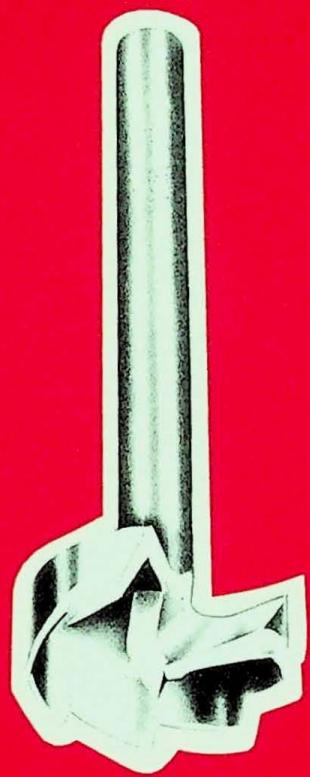
Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or More Units
$\frac{1}{2}$	6	\$3.10	\$2.95	\$2.80
$\frac{7}{16}$	6	3.40	3.25	3.10
$\frac{5}{8}$	6	3.85	3.70	3.55
$\frac{11}{16}$	6	4.30	4.15	4.00
$\frac{3}{4}$	6	4.80	4.65	4.50



PHOTOGRAPHS COURTESY
DREXEL FURNITURE COMPANY

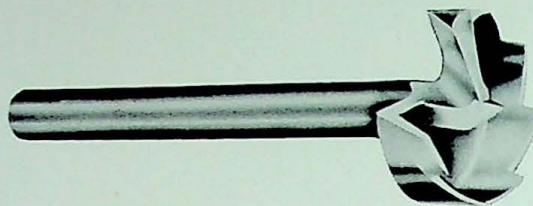
High Speed Steel drills being used by Drexel Furniture Company, Plant Number 5, Morganton, N. C.

**SPECIAL
PURPOSE
TOOLS**



Bulletin No. 300

June 1960

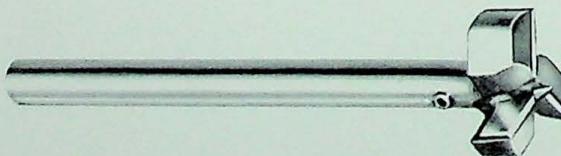


NO. 810 MULTI SPUR BIT

Overall lengths range from 5-1/2 to 5-3/4 In.
 Sizes 3-1/4 and larger have double cutters and
 a 3/8 In. dia. inserted point 1/2 shank on 3 In.
 dia. and smaller 3-1/4 and larger have
 3/4 shanks

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/2	6	\$3.30	\$3.15	\$3.00
9/16	6	3.30	3.15	3.00
5/8	6	3.30	3.15	3.00
11/16	6	3.30	3.15	3.00
3/4	6	3.30	3.15	3.00
13/16	6	3.30	3.15	3.00
7/8	6	3.30	3.15	3.00
15/16	6	3.40	3.25	3.10
1	6	3.40	3.25	3.10
1-1/16	6	3.50	3.35	3.20
1-1/8	6	3.50	3.35	3.20
1-3/16	6	3.60	3.45	3.30
1-1/4	6	3.75	3.60	3.45
1-5/16	4	3.95	3.80	3.65
1-3/8	4	4.10	3.95	3.80
1-7/16	4	4.65	4.50	4.35
1-1/2	4	5.20	5.05	4.90
1-9/16	4	5.35	5.20	5.05
1-5/8	3	5.50	5.35	5.20

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1-11/16	3	5.65	5.50	5.35
1-3/4	3	5.85	5.70	5.55
1-13/16	3	6.00	5.85	5.70
1-7/8	3	6.15	6.00	5.85
1-15/16	3	6.45	6.30	6.15
2	3	6.70	6.55	6.40
2-1/8	3	7.55	7.40	7.25
2-1/4	3	9.05	8.90	8.75
2-3/8	3	10.55	10.40	10.25
2-1/2	3	11.80	11.65	11.50
2-5/8	2	13.25	13.10	12.95
2-3/4	2	14.70	14.55	14.40
2-7/8	2	16.15	16.00	15.85
3	2	17.65	17.50	17.35
3-1/4	1	36.40	36.00	35.75
3-1/2	1	39.20	38.50	38.00
3-3/4	1	42.00	41.00	40.00
4	1	44.80	43.50	42.50

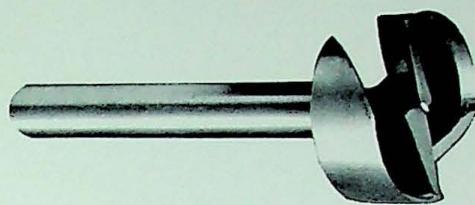


NO. 812 THREE WING DRILLS

Carbide Tipped
 For Plastic - Formica and Abrasive Materials
 1/2 shank - 6 In. Overall

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/2	3	\$15.00	\$13.50	\$11.25
9/16	3	15.50	14.00	11.75
5/8	3	16.00	14.50	12.25
11/16	3	16.50	15.00	12.75
3/4	3	17.00	15.50	13.25
13/16	3	17.50	16.00	13.75
7/8	3	18.00	16.50	14.25
1	3	19.00	17.50	15.25
1-1/8	2	20.00	18.50	16.25
1-1/4	2	22.50	21.00	18.75

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1-3/8	2	25.00	23.50	21.25
1-1/2	1	27.50	26.00	23.75
1-5/8	1	30.00	28.50	26.25
1-3/4	1	32.50	31.00	28.00
1-7/8	1	35.00	33.50	30.50
2	1	37.50	36.00	33.00
2-1/8	1	40.00	38.50	34.50
2-1/4	1	42.50	41.00	35.00
2-1/2	1	47.50	45.00	39.00

**NO. 809 FORSTNER BITS**

1/2 shank

5 In. Overall Thru 1-3/8
 6-3/4 In. Overall 1-7/16 Thru 2-1/8
 10-1/2 In. Overall 2-1/4 and Over

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
5/16	6	\$3.00	\$2.90	\$2.80
3/8	6	3.10	3.00	2.90
7/16	6	3.15	3.05	2.95
1/2	6	3.20	3.10	3.00
9/16	6	3.30	3.20	3.10
5/8	6	3.40	3.30	3.20
11/16	6	3.45	3.35	3.25
3/4	6	3.50	3.40	3.30
13/16	6	3.60	3.50	3.40
7/8	6	3.70	3.60	3.50
15/16	6	3.80	3.70	3.60
1	6	4.10	3.95	3.80
1-1/16	6	4.25	4.10	3.95
1-1/8	6	4.35	4.20	4.05
1-3/16	6	4.60	4.45	4.30
1-1/4	6	4.90	4.75	4.60

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1-5/16	4	5.20	5.05	4.90
1-3/8	4	5.50	5.35	5.20
1-7/16	4	5.75	5.60	5.45
1-1/2	4	6.20	6.05	5.90
1-5/8	4	6.65	6.50	6.35
1-3/4	3	7.15	7.00	6.80
1-7/8	3	7.60	7.45	7.30
2	3	8.05	7.90	7.75
2-1/8	3	10.05	9.90	9.75
2-1/4	3	12.05	11.90	11.75
2-3/8	3	14.00	13.85	13.70
2-1/2	3	15.95	15.75	15.55
2-5/8	2	17.90	17.70	17.50
2-3/4	2	19.85	19.65	19.45
2-7/8	2	21.85	21.65	21.45
	3	23.80	23.60	23.40

**NO. 813 DOVETAIL BITS**

Carbon Steel Threaded Shanks For All Machines

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/4	5	\$2.20	\$2.15	\$2.12
5/16	5	2.20	2.15	2.12
3/8	5	2.20	2.15	2.12

**NO. 814 DOVETAIL BITS**

High Speed Steel
 Threaded Shanks For All Machines

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/4	5	\$5.60	\$5.50	\$5.40
5/16	5	5.60	5.50	5.40
3/8	5	5.60	5.50	5.40

**NO. 815 DOVETAIL BITS**

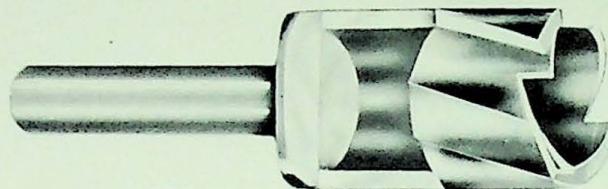
Carbide Tipped

Threaded Shanks For All Machines

NET PRICE EACH TOOL				
Size	Tools per Unit	1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/4	5	\$11.00	\$10.50	\$10.00
5/16	5	11.00	10.50	10.00
3/8	5	11.00	10.50	10.00

**NO. 816 DOVETAIL TRIMMER**

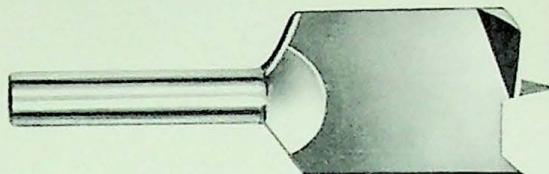
Price on Application



NO. 600 PLUG CUTTERS

$\frac{1}{2}$ shank

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{1}{4}$	4	\$10.00	\$9.90	\$9.80
$\frac{5}{16}$	4	10.00	9.90	9.80
$\frac{3}{8}$	4	8.00	7.90	7.80
$\frac{7}{16}$	4	8.00	7.90	7.80
$\frac{1}{2}$	4	8.00	7.90	7.80
$\frac{5}{8}$	3	8.80	8.70	8.60
$\frac{3}{4}$	3	9.60	9.50	9.40
$\frac{7}{8}$	3	11.20	11.10	11.00
1	3	12.80	12.65	12.50
$1\frac{1}{8}$	2	13.60	13.45	13.30
$1\frac{1}{4}$	2	14.40	14.25	14.10
$1\frac{3}{8}$	2	16.00	15.85	15.70
$1\frac{1}{2}$	2	19.20	19.05	18.90
$1\frac{3}{4}$	1	24.00	23.85	23.70
2	1	28.80	28.65	28.50



NO. 115 MACHINE CENTER BITS

Designed for shallow blind holes $\frac{1}{2}$ shank

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{1}{2}$	12	\$2.90	\$2.40	\$1.90
$\frac{5}{16}$	12	2.95	2.45	1.95
$\frac{3}{4}$	12	3.00	2.50	2.00
$\frac{7}{8}$	12	3.20	2.70	2.20
1	12	3.35	2.85	2.35
$1\frac{1}{8}$	6	3.85	3.35	2.85
$1\frac{1}{4}$	6	4.15	3.65	3.15
$1\frac{3}{8}$	6	4.60	4.10	3.60
$1\frac{1}{2}$	6	4.80	4.30	3.80
$1\frac{3}{4}$	6	5.10	4.60	4.10
2	6	5.80	5.30	4.80
$2\frac{1}{4}$	6	6.50	6.00	5.50
$2\frac{1}{2}$	4	7.25	6.75	6.25
$2\frac{3}{4}$	4	7.65	7.15	6.65
3	4	8.40	7.90	7.40
$3\frac{1}{2}$	4	10.50	10.00	9.50
4	1	12.50	12.00	11.50
$4\frac{1}{2}$	1	20.00	19.00	18.00
5	1	22.50	21.50	20.00

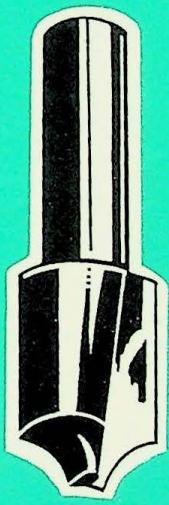
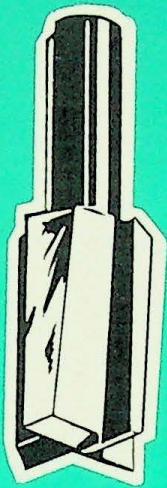


NO. 401 SHORT TWIST BITS

$\frac{1}{4}$ shank 2 In. Overall

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{1}{4}$	12	\$1.60	\$1.40	\$1.20
$\frac{5}{16}$	12	1.65	1.45	1.25
$\frac{3}{8}$	12	1.70	1.50	1.30
$\frac{1}{2}$	12	1.80	1.60	1.40
$\frac{5}{8}$	12	1.85	1.65	1.45
$\frac{3}{4}$	12	1.90	1.70	1.50

ROUTER CUTTERS



Bulletin No. 350

June 1960



FOREST CITY TOOL COMPANY, HICKORY, NORTH CAROLINA



NO. X400 DOUBLE FLUTE ROUTER BITS High Speed Steel

Dia.	Cutting Length	Dia. Shank	Length Shank	NET PRICE EACH TOOL			
				1 to 35 pcs.	36 to 71 pcs.	72 to 143 pcs.	144 to 288 pcs.
$\frac{3}{16}$	$\frac{5}{8}$	$\frac{1}{4}$	$1\frac{1}{4}$	\$1.15	\$1.09	\$1.04	\$.98
$\frac{1}{4}$	$\frac{3}{4}$ or 1	$\frac{1}{4}$	$1\frac{1}{4}$	1.06	1.01	.95	.90
$\frac{3}{8}$	$\frac{3}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	2.20	2.09	1.98	1.87
$\frac{5}{16}$	1	$\frac{1}{4}$	$1\frac{1}{4}$	1.45	1.38	1.31	1.23
$\frac{5}{16}$	1	$\frac{5}{16}$	$1\frac{1}{4}$	1.25	1.19	1.12	1.06
$\frac{5}{16}$	1	$\frac{1}{2}$	$1\frac{1}{2}$	2.20	2.09	1.98	1.87
$\frac{3}{8}$	1	$\frac{3}{8}$	$1\frac{1}{4}$	1.40	1.33	1.26	1.19
$\frac{3}{8}$	1	$\frac{1}{2}$	$1\frac{1}{2}$	2.20	2.09	1.98	1.87
$\frac{7}{16}$	$1\frac{1}{8}$	$\frac{1}{2}$	$1\frac{1}{2}$	2.20	2.09	1.98	1.87
$\frac{1}{2}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	2.20	2.09	1.98	1.87
$\frac{1}{2}$	2	$\frac{1}{2}$	$1\frac{1}{2}$	3.95	3.75	3.55	3.36
$\frac{1}{2}$	$2\frac{1}{2}$	$\frac{1}{2}$	$1\frac{1}{2}$	4.50	4.27	4.05	3.82
$\frac{9}{16}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	2.80	2.66	2.52	2.38
$\frac{5}{8}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	3.00	2.85	2.70	2.55
$1\frac{1}{16}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	4.20	3.99	3.78	3.57
$\frac{3}{4}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	4.00	3.80	3.60	3.40
$1\frac{3}{16}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	5.00	4.75	4.50	4.25
$\frac{7}{8}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	5.00	4.75	4.50	4.25
1	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	5.70	5.41	5.13	4.84
$1\frac{1}{8}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	6.50	6.17	5.85	5.52
$1\frac{1}{4}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	7.20	6.84	6.48	6.12
$1\frac{1}{2}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	9.50	9.02	8.55	8.07
$1\frac{5}{8}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	12.50	11.87	11.25	10.62
$1\frac{3}{4}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	16.00	15.20	14.40	13.60
2	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	18.00	17.10	16.20	15.30



NO. X402 SINGLE FLUTE ROUTER BITS High Speed Steel

Dia.	Cutting Length	Dia. Shank	Length Shank	NET PRICE EACH TOOL			
				1 to 35 pcs.	36 to 71 pcs.	72 to 143 pcs.	144 to 288 pcs.
$\frac{1}{8}$	$\frac{3}{8}$ or $\frac{1}{2}$	$\frac{1}{4}$	$1\frac{1}{4}$	\$.98	\$.93	\$.88	\$.83
$\frac{5}{32}$	$\frac{1}{2}$ or $\frac{3}{8}$	$\frac{1}{4}$	$1\frac{1}{4}$	.98	.93	.88	.83
$\frac{3}{16}$	$\frac{5}{8}$ or $\frac{3}{4}$	$\frac{1}{4}$	$1\frac{1}{4}$	.94	.89	.85	.80
$\frac{7}{32}$	$\frac{3}{4}$	$\frac{1}{4}$	$1\frac{1}{4}$	.98	.93	.88	.83
$\frac{1}{4}$	$\frac{3}{4}$ or 1	$\frac{1}{4}$	$1\frac{1}{4}$	.94	.89	.85	.80
$\frac{9}{32}$	1	$\frac{1}{4}$	$1\frac{1}{4}$	1.30	1.23	1.17	1.10
$\frac{5}{16}$	1	$\frac{1}{4}$	$1\frac{1}{4}$	1.43	1.36	1.29	1.21
$\frac{5}{16}$	1	$\frac{5}{16}$	$1\frac{1}{4}$	1.43	1.36	1.29	1.21
$\frac{3}{8}$	1	$\frac{3}{8}$	$1\frac{1}{2}$	1.45	1.38	1.30	1.23
$\frac{1}{2}$	1 or $1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	2.45	2.33	2.20	2.08



NO. 500 DOUBLE FLUTE CARBIDE TIPPED ROUTER BITS

Dia.	Cutting Length	Dia. Shank	Length Shank	NET PRICE EACH TOOL		
				1 to 12 pcs.	13 to 35 pcs.	36 or More pcs.
$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{4}$	$1\frac{1}{4}$	\$ 6.50	\$ 6.17	\$ 5.85
$\frac{5}{16}$	1	$\frac{1}{4}$	$1\frac{1}{4}$	7.50	7.12	6.75
$\frac{7}{16} \frac{3}{8}$	1	$\frac{1}{2}$	$1\frac{1}{2}$	8.50	8.07	7.65
$\frac{3}{8}$	1	$\frac{3}{8}$	$1\frac{1}{4}$	7.50	7.12	6.75
$\frac{7}{16}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	9.50	9.02	8.55
$\frac{1}{2}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	9.50	9.02	8.55
$\frac{1}{2}$	2	$\frac{1}{2}$	$1\frac{1}{2}$	13.50	12.82	12.15
$\frac{9}{16}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	10.00	9.50	9.00
$\frac{5}{8}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	10.00	9.50	9.00
$\frac{3}{4}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	11.50	10.92	10.35
$\frac{7}{8}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	12.50	11.87	11.25
1	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	13.50	12.82	12.15
$1\frac{1}{8}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	14.50	13.77	13.01
$1\frac{1}{4}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	14.50	13.77	13.01
$1\frac{1}{2}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	15.50	14.72	13.95



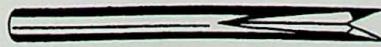
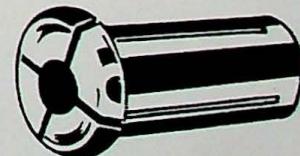
NO. 502 SINGLE FLUTE ROUTER BIT

Carbide Tipped

Dia.	Cutting Length	Dia. Shank	Length Shank	NET PRICE EACH TOOL		
				1 to 12 pcs.	13 to 35 pcs.	36 or More pcs.
$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{4}$	$1\frac{1}{4}$	\$5.50	\$4.95	\$4.67
$\frac{5}{16}$	1	$\frac{1}{4}$	$1\frac{1}{4}$	6.50	5.85	5.52
$\frac{3}{8}$	1	$\frac{3}{8}$	$1\frac{1}{4}$	6.50	5.85	5.52
$\frac{1}{2}$	$1\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	8.50	7.65	7.22

NO. 4 ROUTER BUSHINGS

Outside Dia.	Inside Dia.	NET PRICE EACH TOOL
$\frac{1}{2}$	$\frac{1}{4}, \frac{5}{16}, \frac{3}{8}$	\$3.50



NO. 406 STRAIGHT SHANK ROUTER

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{5}{16}$	12	\$1.80	\$1.50	\$1.35
$\frac{7}{32}$	12	1.80	1.50	1.35
$\frac{1}{4}$	12	1.80	1.50	1.35
$\frac{9}{16}$	12	1.80	1.50	1.35



NO. 407 MORTISE BITS

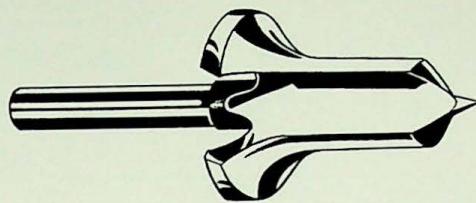
Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
$\frac{1}{4}$	6	\$2.70	\$2.55	\$2.40
$\frac{5}{16}$	6	2.70	2.55	2.40
$\frac{3}{8}$	6	2.70	2.55	2.40
$\frac{1}{2}$	6	2.70	2.55	2.40



NO. 408 MORTISE BITS

Straight Shank

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/4	6	\$1.50	\$1.40	\$1.30
5/16	6	1.80	1.70	1.60
3/8	6	2.15	2.05	1.95



NO. 409 HAND HOLE ROUTER BITS

1/2 Shank

Size	Tools per Unit	NET PRICE EACH TOOL		
		1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
7/8	2	\$20.00	\$18.00	\$16.00
1	2	22.00	20.00	18.00
1-1/8	2	23.50	21.50	19.50

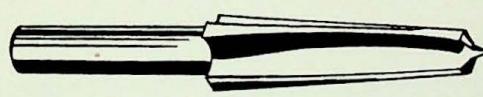


NO. X410 FORM CUTTING ROUTER BITS

High Speed Steel

Price on Application

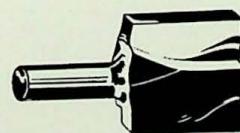
Please send drawing or sample when ordering



NO. 405 TAPER BORING BIT

for Brush and Broom Industry

Price on Application



NO. X411 ROUTER BLANKS*

High Speed Steel

1/2 Shank

Size	Length Cutting Edge	Tools per Unit	NET PRICE EACH TOOL		
			1 pc. thru 3 Units	4 thru 6 Units	7 or more Units
1/2	1-1/2	4	\$ 7.00	\$ 6.65	\$ 6.30
3/4	1-1/2	4	7.50	7.12	6.75
7/8	1-1/2	4	8.00	7.60	7.20
1	1-1/2	4	8.60	8.17	7.74
1-1/8	1-1/2	4	9.50	9.02	8.55
1-1/4	1-1/2	4	10.50	9.97	9.45
1-3/8	1-1/2	4	11.50	10.92	10.35
1-1/2	1-1/2	4	12.50	11.87	11.25
1-5/8	1-1/2	4	13.50	12.82	12.15
1-3/4	1-1/2	4	14.50	13.77	13.05
1-7/8	1-1/2	4	15.50	14.72	13.95
2	1-1/2	4	16.50	15.67	14.85
2-1/4	1-1/2	4	18.50	17.57	16.65
2-1/2	1-1/2	4	20.00	19.00	18.00

*4 wing also furnished-price on application

*SHAPER STEEL
THIN KNIVES
SLOTTED KNIVES*





FOREST CITY TOOL COMPANY, HICKORY, NORTH CAROLINA

HIGH SPEED BEVELED EDGED SHAPER STEEL
IN BARS 24" LONG, HEAT TREATED & GROUND

No Extra Charge for Lock-Edging at Time of Purchase

PRICE PER BAR

<u>THICKNESS</u>	<u>*1/4"</u>	<u>5/16"</u>	<u>3/8"</u>	<u>1/2"</u>
1" wide or less	\$ 16.50	\$ 21.20	\$ 25.90	\$ 30.60
Over 1 to 1-1/2"	22.00	28.20	34.50	40.80
Over 1-1/2 to 2"	27.45	35.30	43.10	51.00
Over 2 to 2-1/2"	32.90	42.30	51.70	61.10
Over 2-1/2 to 3"	37.35	47.95	58.65	69.35
Over 3 to 3-1/2"	41.75	53.65	64.45	77.45
Over 3-1/2 to 4"	46.10	59.30	72.45	85.65
Over 4 to 4-1/2"		64.95	79.35	93.78
Over 4-1/2 to 5"		70.55	86.25	101.90

Sizes thicker than listed advance 1/2" price 10% for each 1/8" or fraction thicker.

Sizes wider than listed advance 5" price 10% for each 1/2" or fraction wider.

Bars made in 12 or 24 inch lengths and may be sold in other lengths on a proportional basis. No additional charge for cutting to shorter lengths.

When end beveled to make Shaper Knives, add \$1.30 per knife, plus standard extra charge when ground to pattern.

Steel sent in for Lock-Edging \$.35 per inch.

Irregular Cutting Edge Knives (not Moulding Knives) add \$1.80 per inch to the price of a straight edge knife.

Moulding Knives with pattern ground in the bevel add \$3.00 per inch to the price of a Straight Edge Knife.

*1/8" and 3/16" thick Shaper Steel available at 1/4" price.

Prices subject to change without notice



FOREST CITY TOOL COMPANY, HICKORY, NORTH CAROLINA

CORRUGATED BACK HIGH SPEED STEEL KNIVES
5/16 Inch Thick or Less-PRICE PER KNIFE

<u>Length of Cutting Edge</u>	<u>2" Wide or Less</u>	<u>Over 2" to 2-1/4" Wide</u>	<u>Over 2-1/4" to 2-1/2" Wide</u>
1"	\$ 1.45	\$ 1.65	\$ 1.90
1-1/4"	1.75	2.00	2.30
1-1/2"	2.10	2.40	2.70
1-3/4"	2.40	2.75	3.15
2"	2.75	3.10	3.55
2-1/4"	3.10	3.50	4.00
2-1/2"	3.40	3.90	4.40
2-3/4"	3.70	4.25	4.80
3"	4.00	4.60	5.25
3-1/4"	4.35	5.00	5.65
3-1/2"	4.65	5.35	6.10
3-3/4"	5.00	5.75	6.50
4"	5.30	6.10	6.90
4-1/4"	5.65	6.50	7.35
4-1/2"	5.95	6.90	7.75
4-3/4"	6.30	7.25	8.20
5"	6.60	7.60	8.60
5-1/4"	6.90	8.00	9.00
5-1/2"	7.25	8.35	9.45
5-3/4"	7.55	8.70	9.85
6"	7.90	9.10	10.30
6-1/4"	8.20	9.45	10.70
6-1/2"	8.55	9.85	11.10
6-3/4"	8.85	10.20	11.55
7"	9.20	10.60	11.95
7-1/4"	9.50	10.95	12.40
7-1/2"	9.80	11.30	12.80
7-3/4"	10.15	11.70	13.20
8"	10.50	12.05	13.65
8-1/4"	10.80	12.45	14.05
8-1/2"	11.10	12.80	14.50
8-3/4"	11.45	13.20	14.90

Continued on back



FOREST CITY TOOL COMPANY, HICKORY, NORTH CAROLINA

CORRUGATED BACK HIGH SPEED STEEL KNIVES

<u>Length of Cutting Edge</u>	<u>2" Wide or Less</u>	<u>Over 2" to 2-1/4" Wide</u>	<u>Over 2-1/4" to 2-1/2" Wide</u>
9"	\$ 11.75	\$ 13.55	\$ 15.30
Over 9" long, per inch	1.30	1.50	1.70

All knives over 2-1/4" wide - add 20% for each 1/4" or fractional part thereof.

All knives over 5/16" thick - add 10% for each 1/16" or fractional part thereof.

MOULDING KNIVES with pattern ground in bevel add \$3.00 per inch to the price of a Straight Edge Knife.

IRREGULAR EDGE KNIVES (not moulding knives) add \$1.80 per inch to the price of a Straight Edge Knife.

SQUARE EDGE - above list less 10%.

LENGTH is measured to next 1/4".



FOREST CITY TOOL COMPANY, HICKORY, NORTH CAROLINA

THIN HIGH SPEED STEEL KNIVES--NOT SLOTTED

2" Wide or Less

<u>Thickness</u>	<u>5/32" and less</u>	<u>3/16" and less</u>	<u>1/4" and less</u>
2" long or less	\$ 1.55	\$ 1.95	\$ 2.70
over 2" to 3" each	1.85	2.35	3.30
over 3" to 4" each	2.30	2.90	4.05
over 4" to 5" each	2.75	3.45	4.80
over 5" to 6" each	3.30	4.15	5.80
over 6" long per inch	.55	.69	.97

Over 2" to 2-1/4" Wide

2" long or less	1.70	2.10	3.00
over 2" to 3" each	2.05	2.55	3.60
over 3" to 4" each	2.55	3.15	4.40
over 4" to 5" each	3.05	3.80	5.30
over 5" to 6" each	3.65	4.55	6.35
over 6" long per inch	.60	.76	1.07

Over 2-1/4" to 2-1/2" Wide

2" long or less	1.85	2.30	3.25
over 2" to 3" each	2.25	2.80	3.95
over 3" to 4" each	2.75	3.45	4.85
over 4" to 5" each	3.30	4.15	5.80
over 5" to 6" each	3.95	4.95	6.95
over 6" long per inch	.66	.83	1.16

SLOTTED KNIVES, add 15% to Not Slotted prices.

MOULDING KNIVES with pattern ground in bevel add \$3.00 per inch to the Straight Knife price of the same material and dimensions.

SQUARE EDGE STEEL- use above list less 10%

Knives wider than 2-1/2", advance 2-1/2" price 10% for each half inch or fraction.

IRREGULAR CUTTING EDGE KNIVES(not moulding knives) add \$1.80 per inch to the price of a Straight Edge Knife.

MAXIMUM LENGTH AVAILABLE-----24"



FINE WOOD CUTTING TOOLS SINCE 1890

SOLID HIGH SPEED KNIVES - SLOTTED OR NOT SLOTTEDPrice per Knife
5/16" Thick

	<u>3" Wide or less</u>	<u>Over 3" to 3-1/2"</u>	<u>Over 3-1/2" to 4"</u>	<u>Over 4" to 4-1/2"</u>	<u>Over 4-1/2" to 5"</u>
2" long or less	\$ 5.55	\$ 6.05	\$ 6.65	\$ 7.30	\$ 8.05
Over 2 to 3"	6.60	7.25	8.00	8.80	9.70
Over 3 to 4"	7.70	8.45	9.30	10.25	11.30
Over 4 to 5"	9.45	10.40	11.40	12.60	13.80
Over 5 to 6"	11.20	12.30	13.60	14.95	16.45
Over 6" long per In.	2.00	2.20	2.42	2.65	2.95
3/8 Thick					
2" long or less	6.15	6.70	7.35	8.10	8.90
Over 2 to 3"	7.32	8.10	8.85	9.70	10.75
Over 3 to 4"	8.60	9.40	10.35	11.40	12.55
Over 4 to 5"	10.51	11.55	12.65	13.95	15.35
Over 5 to 6"	12.50	13.70	15.05	16.60	18.25
Over 6" long per In.	2.20	2.42	2.64	2.95	3.25
7/16" Thick					
2" long or less	6.65	7.30	8.10	8.90	9.80
Over 2 to 3"	8.10	8.85	9.75	10.75	11.85
Over 3 to 4"	9.40	10.35	11.40	12.55	13.75
Over 4 to 5"	11.60	12.71	13.95	15.40	16.90
Over 5 to 6"	13.70	15.05	16.55	18.25	20.10
Over 6" long per In.	2.42	2.64	2.93	3.23	3.55
1/2" Thick					
2" long or less	7.05	7.70	8.45	9.30	10.25
Over 2 to 3"	8.40	9.24	10.20	11.15	12.40
Over 3 to 4"	9.80	10.80	11.90	13.10	14.40
Over 4 to 5"	12.10	13.25	14.60	16.05	17.65
Over 5 to 6"	14.30	15.75	17.35	19.10	21.00
Over 6" long per In.	2.53	2.77	3.06	3.37	3.72

WIDTH - Over 5" advance the 5" price 10% for each 1/2" or fraction

LENGTH - is measured to the next full inch.

THICKNESS - Knives thinner use Thin Knife List

IRREGULAR EDGE KNIVES - (not moulding knives) add \$1.80 per inch to the price of a straight edge knife of same material and dimension.

MOULDING KNIVES - with pattern ground in bevel add \$3.00 per inch to the price of a straight edge knife of the same material and dimension.

SQUARE EDGE STEEL - use above list less 10%

IRREGULAR SIDES & ENDS - advance price \$2.10 per knife.



FOREST CITY TOOL COMPANY, HICKORY, NORTH CAROLINA

HIGH SPEED STEEL LATHE KNIVES
(Bent or Straight)

<u>Length of Cutting Edge</u>	<u>Price</u>
1-1/2" long or less	\$ 2.15
1-3/4"	2.38
2"	2.63
2-1/2"	3.00
3"	3.30
3-1/2"	4.00
4"	4.45
4-1/2"	4.80
5"	5.38
5-1/2"	6.10
6"	6.70
6-1/2"	7.22
7"	7.77
7-1/2"	8.33
8"	8.88
Cylinders for Automatic Lathe 2-5/8 bore, 2-11/16 bore	4.95 per inch

CARRIERS FOR AUTOMATIC LATHE HEAD

<u>Size</u>		<u>Price</u>
<u>Right Hand</u>	<u>Left Hand</u>	
B-50	A-50	\$ 2.75
B-51	A-51	3.00
B-52	A-52	3.88
B-53	A-53	4.12
B-54	A-54	4.12
B-71	A-71	4.37
B-72	A-72	4.62
B-73	A-73	5.49
B-78	A-78	13.57
W-55	M-55	8.25
W-56	M-56	9.59
W-58	M-58	9.06
W-59	M-59	9.59
W-74	M-57	14.75
W-82	M-82	8.75
E-57	D-57	3.50
E-58	D-58	3.50
E-59	D-59	3.50

FOREST CITY CARBIDE TIPPED SAWS

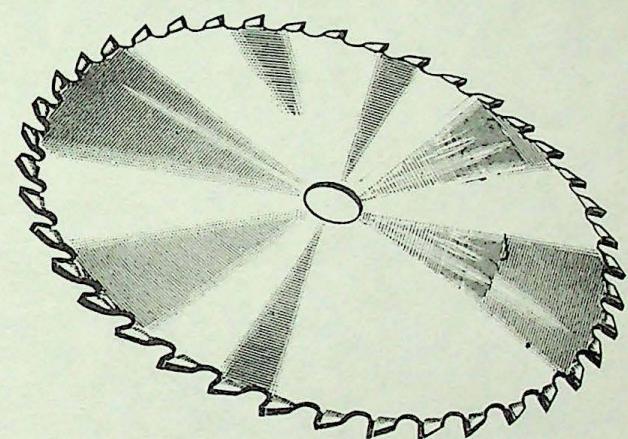
FOREST CITY BIT & TOOL COMPANY

Since 1890

Phone Diamond 5-7124
17th St. & 9th Ave., N.W.
HICKORY, NORTH CAROLINA

Guarantee

All saws are 100% guaranteed as to quality and workmanship, and any tip that comes cleanly out of the recess will be replaced free of charge. Tips that are damaged in operation, some of the carbide remaining in the recess, will necessarily have to be charged for, as this condition indicates that the saw received abusive use, or has met with an accident while in operation, and these tips will be charged for. We build up all broken backs, retention and cut expansion slots at no extra charge.



DIAMETER	NUMBER OF TEETH					
	24	30	36	60	80	100
12"	\$57.00	\$60.00	\$64.00	\$78.50	\$90.00	
14"	58.50	62.50	66.50	80.00	92.00	\$110.00
16"	X	64.00	X 68.50	85.50	96.00	112.00
18"		68.00		91.00	98.00	114.00

TIPS REPLACED \$1.00 each

*hd.
1 1/4" order*

SHARPENING:

10 teeth or less	4.00
36 teeth or less	6.00
60, 80 or 100 teeth	10.00

SIZES NOT LISTED ARE
AVAILABLE - PRICES
UPON REQUEST.